

## ACTIVITIES AND TARGETS – Long term

	ACTIVITIES	FY- 05 TARGET	LONG TERM GOAL
1.	Real Time Monitoring pilot study at GRC – Lewis Field (Kocher)	Secure funding for a prototype unit	Complete prototype unit
2.	Replace large Iridite uses (Sekura)	Performance testing done	Replace Iridite
3.	Native landscaping (Sekura)	Implement pilot program	Implement maximum achievable use of native landscaping
4.	Biodegradable cafeteria supplies (Sekura)	Implement pilot program	Implement maximum achievable use of biodegradable supplies
5.	Cafeteria composting (Kenzig)	Implement pilot program	Implement maximum achievable cafeteria composting
6.	GRC-wide composting (Kennedy)	Implement pilot program	Implement maximum achievable GRC composting
7.	New cafeteria set-up (Sekura)	Integrate sustainability concepts	Implement maximum achievable use of sustainability practices
8.	Convert EMO vehicles to CNG/other alt. (White)	All new/replacement vehicles capable of using alternative fuel	Convert EMO vehicles
9.	Convert GRC vehicles to CNG/other alt. (Strawser)	All new/replacement vehicles capable of using alternative fuel	Convert entire fleet
10.	Renewable energy at Lewis Field (F. Miller / Quach)	Produce some form of renewable energy at Lewis Field to feed back into grid, remove an area from grid, or use power for a project instead of grid.	Implement maximum achievable independence from power grid
11.	Renewable energy at PBS (F. Miller / Quach)	Same as #9 – at PBS.	Implement maximum achievable independence from power grid
12.	Assist in providing wind power from Lake Erie (F. Miller)	Assist in GEO project by receiving data at NASA antenna – Target achieved when wind monitoring study completed.	Achieve wind power from Lake Erie turbines
13.	Initiate one NASA hydrogen power project (Sekura / Hoberecht)	Consensus is achieved by Hydrogen Power Working Group and funding is secured.	Implement hydrogen power project at any NASA facility
14.	Hydrogen power production at GRC (Sekura / Hoberecht)	Hydrogen is produced at GRC for a project, or a dispenser is working.	Implement hydrogen power project at GRC
15.	Hydrogen powered fleet (Sekura / Hoberecht)	GRC has at least one working hydrogen car	GRC becomes part of U. S. hydrogen infrastructure
16.	Sustainable cooling towers at GRC (Lallier / Myers)	Implement 1 tower – Eliminate disinfectant and/or minimize water use	Implement all GRC towers
17.	Laser paint removal in Hangar (Sekura)	Make case for laser equipment at GRC	Replace methylene chloride as paint remover in Hangar

	<b>ACTIVITIES (PROJECT LEADER)</b>	<b>TARGET</b>
1.	Reduction of chemicals at PBS (Lallier / Muscolo)	All 4 major facilities: a.) Assessed for excessive chemicals b.) Chemicals disposed or recycled
2.	Implement AP/EPP at PBS (Kocher / Sekura)	One training session / up on Website
3.	Natural lawn care (Sekura)	Implement organic program
4.	Garnet Recycling (Kocher)	Complete installation, optimize performance & implement
5.	Garnet recycling tech transfer (Kocher)	Investigate business-wide applications
6.	Life Cycle Assessment (Kocher / Sekura)	Determine and implement 2 application-specific tools
7.	Develop a web-based P2/Recycling training module (Kenzig / Kocher / Sekura)	Make available
8.	AP/EPP web site (Kocher)	Develop analytical tool
9.	Create SAGE-like program to recommend P2 alternatives (Kocher)	Make search tool available on net for GRC
10.	Market AP/EPP site NASA-wide (Kenzig / Kocher / Myers)	Implement AP/EPP on GoLearn.com or similar
11.	Determine strategic plan to include AP/EPP language in contracts (Kenzig / Myers)	Create clause language and incorporate into five contracts
12.	Replace Stoddard Solvent as degreaser in Space Environment Chamber at PBS (Sekura)	Replace with EPP degreaser
13.	Study of low-strength mortar and flowable fill containing recycled material (Kocher)	Develop guidance document
14.	Install sustainable cooling towers at SPF (Lallier)	Conduct feasibility study
15.	AP/EPP Chapter (Kenzig / Kocher / Sekura)	Publish chapter(s)
16.	Spark plug / energy efficiency (Sekura)	Complete study
17.	Add 5 products to AP/EPP list (Sekura)	5 EPP products posted on AP/EPP site
18.	Water conservation for cooling tower maintenance (Sekura / White)	Use rental portable unit to save water during shutdown